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## Sky-Watcher EQ8-RH Mount

**AUD**  
**\$12,999.00**

### Product Images



## Short Description

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The EQ8-RH provides the next generation of Sky-Watcher's popular high capacity mount, the EQ8.

The R models offer a refined design to allow for better balance and more modern features to cater to today's high end imagers.

## Description

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### Built-in cable management

- USB 3.0 USB hub (4 ports)
- 2.1mm Power port (3 ports)
- 3 serial ports on the back of the saddle

The EQ8-Rh features built-in cable management. This removes cable drag from hanging cables and reduces the risk of cables getting caught during the imaging session. This also improves the mounts capabilities for remote use.

The built-in USB 3.0 hub allows you to simply plug in your camera, guider, filter wheel and other USB accessories into the hub below the saddle plate and connect them using a single USB cable plugged into the rear of the mount. No more tangled mess of cables, or need for multiple cables running around the mount.

Another addition to the cable management system is the three built-in 2.1mm ports situated next to the USB hub. This allows your accessories to also be powered through the mount. This reduces the need for multiple power adapters and other accessories. The ports can be run off of a single power source, providing a cleaner set up and less cables.

On the rear of the saddle are three serial ports for various accessories, such as ST4 guide cables and other serial type accessories. Along with the rest of the cable management system, this allows a neat connection with the mount.

### Motor Positioning

Improved balance from its predecessor, with redeposited motor housings. This improves the mount's balance overall.

### Belt Drive

Belt drive on both the RA and Dec axis. This allows for smoother guiding and reduced backlash.

### Auto-Home

Built-in homing sensors. This allows the mount to know its positioning more accurately from its start positioning.

### Improved Clutches

Improved clutches allowing for sturdier lock under heavy loads. Simply use the large levers to engage or disengage the axis of choice. The clutch levers are larger than the original EQ8 making it easier to adjust with gloves.

### PC Direct Connect

New PC direct connect feature. Now you can easily connect your mount to your computer without the need of a hand controller. When paired with the SynScan Pro app for Windows, the mount can be aligned and controlled direct from a PC. This refines the imaging process, especially for those with permanent setups.

## **EQ8-Rh On-Axis Encoder**

In addition to all of the above, the EQ8-Rh takes it a step further, adding a higher level of precision. The Rh (h for High Res.) features an on-Axis Renishaw TONic incremental 11.8 million tick encoder on the RA axis. This allows the mount to have extremely precise tracking and guiding for long exposure imaging. With this encoder, periodic error is virtually eliminated in RA, with an accuracy of 0.11 arc-seconds! The EQ8-Rh offers a pro level mount for the serious astro imager.

## **Additional Information**

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Specifications	Model Number	SWEQ8-Rh
	Mount Type	German Equatorial Mount
	Telescope Mounting	D Style
	Payload	50kg
	Mount Head Weight	25kg
	Pier Tripod	Not Included
	Latitude Range	10°-65°
	Azimuth Range	+/- 10°
	Power Requirement	DC 12~16V - 4A
	Pointing Accuracy	up 5 arc. min.
	Slewing Speed	up to 3.3°/sec
	Guiding Speed	0.125X, 0.25X, 0.50X, 0.75X, or 1X
	Motors Resolution	approx. 0.12 arc-second (11136000 Counts/Rev)
	Encoder Resolution	17624 Counts/Rev., approx. 1.2 arc-minutes
	Firmware Upgrades	Download the latest Firmware